

# SAFETY DATA SHEET

Zoetis New Zealand Limited



## Section 1: Identification of the Substance and Supplier

<b>Trade Name:</b>	<b>AVATEC<sup>®</sup> / BOVATEC<sup>®</sup> Technical</b>
<b>ACVM Registration No.:</b>	A010829
<b>Classification:</b>	Unrestricted
<b>Recommended Use:</b>	In-feed coccidiostat for the control of coccidiosis caused by <i>Eimeria</i> species; increased production of milk solids in dairy cows, control of ketosis in dairy cattle; reduction of bloat score in cattle on pasture; prevention of coccidiosis caused by <i>Eimeria</i> species in poultry.
<b>Company Details:</b>	Zoetis New Zealand Limited
<b>Address:</b>	Level 5, 8 Mahuhu Crescent Auckland Central Auckland 1010 New Zealand
<b>Telephone No.:</b>	0800 963 847 (Business Hours)
<b>Emergency Telephone No.:</b>	National Poisons Centre: 0800 POISON (0800 764 766) Emergency Services: In an emergency dial 111
<b>Date of Preparation:</b>	30 June 2014

## Section 2: Hazards Identification

<b>Hazard Classification:</b>	6.1C, 9.1D, 9.3B
<b>Priority Identifier(s):</b>	WARNING - KEEP OUT OF REACH OF CHILDREN ECOTOXIC
<b>Secondary Identifier(s):</b>	6.1C May be fatal if swallowed, inhaled or absorbed through the skin. 9.1D Harmful to aquatic organisms. Avoid contamination of any water supply with product or empty container. 9.3B Toxic to terrestrial vertebrates.

## Section 3: Composition / Information on Ingredients

### Chemical Identity of Ingredients

Ingredient	CAS No.	Concentration
Lasalocid	25999-20-6	1000.0 g/kg
Other ingredients determined not to be hazardous.	-	-

This is a commercial product whose exact ratio of components may vary.  
Trace quantities of impurities are also likely.

## Section 4: First Aid Measures

<b>Necessary First Aid Measures:</b>	<p><b>For advice contact the National Poisons Centre at 0800 POISON (0800 764 766) or a doctor immediately.</b> If the patient is not breathing begin artificial respiration and seek medical advice immediately. Never give fluids or induce vomiting if a patient is unconscious or convulsing, regardless of injury.</p> <p><b>Ingestion:</b> DO NOT induce vomiting. If the patient is conscious wash mouth out with water. Do not give anything by mouth to an unconscious person. Seek medical advice immediately.</p> <p><b>Eye Contact:</b> Flush the eye(s) out with running water for at least 15 minutes. Removal of contact lenses should be done with caution within 5 minutes of exposure. If symptoms develop seek medical advice immediately.</p> <p><b>Skin Contact:</b> Remove any contaminated clothing and wash the affected area immediately with soap and water. If symptoms develop seek medical advice immediately.</p> <p><b>Inhalation:</b> Move the patient to fresh air. If symptoms develop seek medical advice immediately.</p>
<b>Poisoning Symptoms:</b>	Harmful by inhalation: dusts will be irritating to the upper respiratory system. Over-exposure may be fatal. Likely to cause gastric upset, nausea, vomiting and diarrhoea.
<b>Workplace Facilities:</b>	No specific facilities required. Standard emergency equipment must be available.
<b>Hygiene Practices:</b>	Avoid ingestion, contact with skin and eyes, and inhalation of dusts, mists or vapours. Do not eat, drink or smoke while using this product. Wash hands and exposed skin before eating, drinking or smoking and after work. Wash any protective clothing after use.
<b>Notes for Medical Personnel:</b>	Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Note the nature of this product.

## Section 5: Fire-Fighting Measures

<b>Type of hazard:</b>	The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is little risk of an explosion from this product if commercial quantities are involved in a fire. This product, if scattered, may form flammable or explosive dust clouds in air.
<b>Fire Hazard Properties:</b>	Combustion forms carbon dioxide and, if incomplete, carbon monoxide and smoke. Water is also formed. May form nitrogen and its compounds and, under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. Sodium compounds. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgement, and unconsciousness followed by coma and death.
<b>Regulatory Requirements:</b>	Not applicable.
<b>Extinguishing Media &amp; Methods:</b>	Suitable extinguishing media are water fog, fine water spray. Water fog or fine spray is the preferred medium for large fires. Try to contain spills, minimise spillage entering drains or water courses.
<b>Hazchem Code:</b>	2X
<b>Recommended Protective Clothing:</b>	During large-scale fire fighting operations wear approved positive pressure, self-contained breathing apparatus and full protective turn-out gear.

## Section 6: Accidental Release Measures

<b>Personal Precautions:</b>	Personnel involved in clean-up should wear appropriate personal protective equipment to minimise exposure. Wear full protective chemically resistant clothing including eye/face protection, gauntlets and self contained breathing apparatus.
<b>Environmental Precautions:</b>	Prevent material from entering surface water drains or waterways. If a significant quantity of material enters drains, advise emergency services.
<b>Procedure for Spills:</b>	<ol style="list-style-type: none"><li>1. Non-essential personnel should be evacuated from the affected area, and deny entry to unnecessary and unprotected personnel.</li><li>2. Shut off all sources of ignition.</li><li>3. Stop leak and contain the source of spill if it is safe to do so. Reposition any leaking containers to minimise further leakage.</li><li>4. Sweep and shovel or collect recoverable product into labelled containers for disposal, minimising dust generation. Consider vacuuming if appropriate.</li><li>5. After spills, decontaminate the spill area thoroughly with water, preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services.</li><li>6. Ventilate area to dispel any residual dusts.</li></ol>
<b>Procedure for Disposal:</b>	Contaminated material must be disposed of at an approved landfill or other approved facility in accordance with local, regional and national requirements. Avoid contamination of any water supply with product or empty container.

## Section 7: Handling and Storage

### Handling

<b>Precautions for Safe Handling:</b>	Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.
<b>Regulatory Requirements:</b>	Not required.
<b>Handling Practices:</b>	Avoid ingestion, contact with skin and eyes, and inhalation of dusts, mists or vapours. Do not eat, drink or smoke while handling this product. Wash hands and exposed skin before eating, drinking or smoking and after work. Wash any protective clothing after use.
<b>Approved Handlers:</b>	Approved handlers are not required for this product.

### Storage

<b>Conditions for Safe Storage:</b>	Store under lock and key below 30°C (Room Temperature) in a dry place and protection from direct sunlight. Keep out of reach of children. Store in a well ventilated area in the original container, tightly closed, away from foodstuffs, oxidising agents, naked flames and other sources of ignition.
<b>Store Site Requirements:</b>	No additional requirements.
<b>Packaging:</b>	Store in the original container, away from foodstuffs.

## Section 8: Exposure Control / Personal Protection

Always Read and Follow the Label Instructions and Warnings

### Workplace Exposure Guidelines

<b>Workplace Exposure Standards:</b>	A time weighted average (TWA) concentration for an 8-hour day and a 5-day week has not been established by NOHSC Australia for any of the major ingredients in this product. There is a blanket limit of 10 mg/m <sup>3</sup> for dusts or mists when limits have not otherwise been established.
<b>Application in the Workplace:</b>	The nature of this product makes it unlikely that this level will be approached during normal handling.
<b>Exposure Standards Outside the Workplace:</b>	None set.
<b>Engineering Controls:</b>	Engineering controls should be used as the primary means to control exposures. Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.
<b>Personal Protection:</b>	<p>The following instructions are for those coming into frequent and / or lengthy contact with this product. For occasional handling employ precautions suitable for the conditions under which the product is being handled.</p> <p><b>Hands:</b> Impervious gloves are recommended if skin contact is possible and for bulk processing operations.</p> <p><b>Eyes:</b> It is always prudent to utilise protective eyewear.</p> <p><b>Skin:</b> When prolonged or frequently repeated contact could occur, utilise chemically protective clothing. Selection of specific items such as a face shield, gloves, boots, or overalls will depend on the situation.</p> <p><b>Respiratory:</b> Respiratory protection is not normally required; however, if necessary utilise an air-purifying respirator that complies with NZ standards.</p>
<b>General Hygiene:</b>	Change work clothes regularly. Avoid ingestion, contact with skin and eyes, and inhalation of dusts, mists or vapours. Do not eat, drink or smoke while handling this product. Wash hands and exposed skin before eating, drinking or smoking and after work. Wash any protective clothing after use.

## Section 9: Physical and Chemical Properties

<b>Appearance:</b>	White to reddish-brown granular powder
<b>Odour:</b>	Characteristic odour
<b>Specific Gravity / Density:</b>	No data available. Bulk density about 0.29
<b>Melting Point:</b>	Decomposes before melting approx. 168-171°C
<b>Boiling Point:</b>	No data available
<b>pH:</b>	No data available
<b>Solubility in Water:</b>	1.06 g/L @ 20°C
<b>Flashpoint:</b>	Not applicable. This product is not flammable.
<b>Oxidising Properties:</b>	Not applicable. This product is not an oxidiser.
<b>Corrosive Properties:</b>	Not applicable. This product is not corrosive.
<b>Vapour Pressure:</b>	Negligible at normal ambient temperatures
<b>Volatile Organic Compounds:</b>	No specific data. Expected to be low at 100°C

## Section 10: Stability and Reactivity

<b>Stability of the Substance:</b>	This product is stable under normal conditions of use.
<b>Conditions to Avoid:</b>	Incompatible materials, sources of ignition.
<b>Material to Avoid:</b>	Strong acids, strong bases, strong oxidising agents.
<b>Hazardous Decomposition Products:</b>	Oxides of nitrogen, traces of oxides of phosphorus.
<b>Hazardous Polymerisation:</b>	This product is unlikely to spontaneously polymerise.
<b>Specific Data:</b>	No specific data available.

## Section 11: Toxicological Information

### HSNO Classifications

**6.1C** May be fatal if swallowed, inhaled or absorbed through the skin.

### Acute Effects

No data is available for the formulated product. The following Information relates to lasalocid.

**Ingestion:** Toxic if swallowed. Likely to cause gastric upset, nausea, vomiting and diarrhoea. Very large doses may be fatal.

Lasalocid:

- Rat LD<sub>50</sub> Oral 122 mg/kg
- Mouse LD<sub>50</sub> Oral 146 mg/kg
- Rabbit LD<sub>50</sub> Oral 40 mg/kg
- Chicken LD<sub>50</sub> Oral 72 mg/kg

**Skin Contact:** May be irritating to the skin.

**Eye Contact:** Irritating to eyes. Risk of mechanical scratching.

**Inhalation:** Harmful by inhalation.

Lasalocid:

- Rat LC<sub>50</sub> Inhalation 2.65 mg/L/4 hr

### Chronic / Long Term Effects

Repeated skin contact may lead to irritation and dermatitic effects. Repeated inhalation exposure may cause irritation of the nose and upper respiratory system.

## Section 12: Ecotoxicity Information

### HSNO Classifications

**9.1D** Harmful to aquatic organisms. Avoid contamination of any water supply with product or empty container.

**9.3B** Toxic to terrestrial vertebrates.

The environmental characteristics of this material have not been fully evaluated.  
Avoid contamination of any water supply with product or empty container.

### Ecotoxicity Effects

<b>Toxicity to Birds:</b>	Not data available
<b>Acute Toxicity to Fish:</b>	<ul style="list-style-type: none"><li>• LC<sub>100</sub> rainbow trout (<i>Oncorhynchus mykiss</i>): 5 mg/L</li><li>• LC<sub>100</sub> zebra fish (<i>Brachydanio rerio</i>): 0.65 mg/L</li><li>• LC<sub>50</sub> rainbow trout (<i>Oncorhynchus mykiss</i>): 3 mg/L</li><li>• LC<sub>50</sub> goldfish (<i>Carassius auratus</i>): 6 mg/L</li><li>• LC<sub>50</sub> sunfish: 3.6 mg/L</li><li>• LC<sub>50</sub> zebra fish (<i>Brachydanio rerio</i>): 2.5 mg/L</li><li>• LC<sub>0</sub> zebra fish (<i>Brachydanio rerio</i>): 0.64 mg/L</li><li>• LC<sub>0</sub> rainbow trout (<i>Oncorhynchus mykiss</i>): 2 mg/L</li></ul>
<b>Toxicity to Algae:</b>	EC <sub>50</sub> <i>Scenedesmus subspicatus</i> 8 mg/L
<b>Toxicity to Aquatic Invertebrates:</b>	Not data available
<b>Toxicity to Soil Dwelling Organisms:</b>	Not data available
<b>Acute Toxicity to Bees:</b>	Not data available

### Environmental Fate

No information available.

### Section 13: Disposal Considerations

<b>Product Disposal:</b>	Preferably dispose of product by use in accordance with label directions. Otherwise dispose of product at an approved landfill, or other approved facility in accordance with local, regional and national regulations. Avoid contamination of any water supply with product.
<b>Container Disposal:</b>	Dispose of empty containers by wrapping in paper and putting in garbage for disposal at an approved landfill, or other approved facility in accordance with local, regional and national regulations. Avoid contamination of any water supply with empty container.

### Section 14: Transport Information

#### Dangerous Goods Classification

<b>UN No.:</b>	2811
<b>Class:</b>	6
<b>Packing Group:</b>	III
<b>Proper Shipping Name:</b>	TOXIC SOLID, ORGANIC, N.O.S.

### Section 15: Regulatory Information

<b>HSNO Approval No.:</b>	HSR002037
<b>HSNO Controls:</b>	See <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> for controls
<b>ACVM Registration No.:</b>	A010829
<b>ACVM Controls:</b>	See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration conditions

## Section 16: Other Information

**Note:** This product is a veterinary medicine and must therefore be used in accordance with the container label directions. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the Government health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

**CONTACT POINT:**      **Zoetis New Zealand Limited:**      0800 963 847 (Business Hours)  
                                 **National Poisons Centre:**                      0800 POISON (0800 764 766)  
                                 **Emergency Services:**                                  Dial 111

This Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

**PLEASE READ ALL LABELS CAREFULLY BEFORE USING PRODUCT.**

If clarification of further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

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